

Preliminary
Product profile

PB₂/PB₃

Commercial Mobile
Receipt Printers



- Compact and lightweight for all-day use
- Long life, field replaceable batteries
- Optional environmental case for adverse conditions
- Compatible with Intermec CN3 Series, 700 Series and CK3 mobile computers
- Choice of Bluetooth®, WLAN, or IrDA communications, plus standard Serial
- Optional Magnetic Stripe or Smart Card readers
- On-board memory supports resident fonts, logos, graphics

Comfortable enough to wear all day, the lightweight Intermec PB2/PB3 two- and three-inch commercial receipt printers meet the needs of the mobile workforce in DSD, route accounting and field service applications. Long-lasting, field replaceable batteries and weather-resistant construction ensure the PB2/PB3 delivers dependable, all-day service, whenever and wherever required.

The ideal companion for Intermec's world-class mobile computers and scanners, the PB2/PB3 printer interfaces seamlessly via Bluetooth® with the CN3 and 700 Series handheld computers, as well as with the new Intermec CK3. The PB2/PB3 is available with optional magnetic strip and smart card reader, giving workers the flexibility to accept payments via their handheld or their printer. Either way, the combination supports increased productivity and customer satisfaction, enabling workers to process payments on the go and generate receipts immediately.

The PB2/PB3 and its accessories are designed for easy mobility. The most compact and lightweight of Intermec's mobile printers, the PB2/PB3 can be comfortably worn all day, using an

optional shoulder strap or belt clip that allows for convenient, hands-free operation. For added protection in outdoor applications such as issuing electronic citations and processing car rental returns, the PB2/PB3 offers an optional IP54-rated environmental case that provides extra weather resistance without adding significant weight.

With multiple connectivity options and robust, field-replaceable batteries, the PB2/PB3 is always ready to work. Batteries can be charged independently of the printer unit, maximizing uptime and convenience. And the PB2/PB3 comes with secure Bluetooth, 802.11 or IrDA wireless connectivity, as well as standard serial communication. (USB port coming in 2009).

Priced affordably to enable efficient, cost-effective receipt printing where and when it's needed, the PB2/PB3 commercial receipt printers help companies increase return on their mobility investment. The PB2/PB3 printers are part of a complete hardware solution from Intermec, that also includes Intermec receipt media and Medallion Support services, as well as a full range of AIDC products.

Physical Characteristics

	PB2	PB3
Width	103.23 mm (4.06 in)	127.20 mm (5.01 in)
Height	60.96 mm (2.40 in)	57.69 mm (2.27 in)
Length	138.58 mm (5.46 in)	156.10 mm (6.14)
Weight – printer only	314 g (11.1 oz)	422 g (14.9 oz)
Weight – with battery & label roll	472 g (16.7 oz)	583 g (20.6 oz)

Environmental

Operating temperature: -10°C to 50°C (14°F to 122°F)
Storage temperature: -20°C to 60°C (-4°F to 140°F)
Operating humidity: 20% to 85% non-condensing
Storage humidity: 5% to 95% non-condensing
Rain & Dust Resistance: IP54 with optional environmental case
Drop spec: Survives 1.5m (5 ft.) drop to concrete (PB2); 1 m (3.3 ft.) (PB3)

Power

Battery: Rechargeable 7.4V Li-Ion, 2200mAh.
Recharging: approximately 180 minutes
Charging temperature: 20°C to 25°C (68°F to 77°F)
Battery storage temperature: 4°C to 40°C (40°F to 104°F)
Endurance per fully charged battery at 25% print density: PB2: 90m (624 ft); PB3: 72m (235 ft).
Optional AC Adapter: 100 to 240 VAC @0.4A; meets CEC EPS

Memory

RAM: 1MB
Flash: 4MB

Standard Communications

RS-232 Serial

Optional Communications

Bluetooth® (v2.0, Class II)
IrDA
802.11g
USB (available 2009)

Wireless Security

Authentication and Encryption Options: WPA-PSK/WPA2-PSK; LEAP; WEP 64/WEP 128; TKIP and AES/CCMP

Optional Card Readers

Magnetic Strip Reader (MCR) 3 track - ANSI/ISO 7810, 7811 standards
Smart Card Reader (SCR) Contact ISO-7816 (EMV compatible in 2009)

Print Speed and Resolution

203 dpi (8 dots/mm)
PB2: up to 2+ ips (56mm/s at 7.2V; 25C and 64 dots fired)
PB3: up to 2 ips (50mm/s at 7.2V; 25C and 64 dots fired)

Print Technology

Print head: Direct thermal
Maximum print width:
PB2: 48mm (1.89 in); **PB3:** 72mm (2.83 in)

Media

Type: Receipt media
Width: **PB2:** 57mm (2.25 in); **PB3:** 79mm (3.125 in)
Media length: Continuous
Thickness: up to 4 mil
Core ID: 10mm (0.4 in)
Capacity: PB2: 18m (60 ft); PB3: 13m (44 ft)

Software

Programming Language
ESC-P command sets (Line Print and Easy Print modes)

Character Sets

Standard: English and Latin
Optional: Arabic, Simplified Chinese, Traditional Chinese, Cyrillic, Greek, Hebrew, and Polish
Resident font sizes: PB2: 24, 32,38,40, 48 characters per line; PB3: 36, 48, 57, 63, 72 characters per line

Graphics

Supports user-defined fonts, graphics, formats and layouts, including custom logos

Barcode Symbolologies

1D: Codabar, Code 39, Code 128 Subset A-C, UCC/EAN-128, Interleaved 2 of 5, UPC/EAN/JAN
2D: PDF417

User Interface

Three Multi-function Status LEDs: Power on, Bluetooth® radio on, low battery, battery charging, card reader ready (for MCR and SCR options), print error, paper out.

Ships with

Printer, battery, universal A/C adapter, belt clip, one roll of media, quick start users guide

Accessories

Universal A/C charger with four socket adapter plugs, belt clip, shoulder strap, IP54 protective environmental case, card reader cleaning cards, printhead cleaning pen, battery, two-bay battery charger, cigarette lighter adapter/12v vehicle charger, serial cable, developers kit.

Safety approvals

USA FCC: Part 15 Subpart B, Class B
CE: EN60950, CE: EN55022 Class B; CE: EN61000-3-2; CE: EN61000-3-3; CE: EN50024
Conforms to R&TTE Directives: 1999/5/EC (EN 300 328-2), EMC Directive 89/336/EC (EN 301 489-1 and -17); and Low Voltage Directive 73/23/EEC (EN 61131-2)
The product conforms to ANSI/UL STD 60950 & Certified to CAN/CSA STD C22.2 No. 60950-00. CB Certified
ETL Listed, control #3046813
IEC 68 certified

Warranty

One year; additional Medallion service packages available

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